

# Suttanop Chanah

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## SUMMARY

Computer Engineering student passionate about developing reliable and secure systems. Experienced in backend development using Node.js, Express, and PostgreSQL/MongoDB, with hands-on experience deploying Dockerized applications. Interested in applying DevSecOps and cybersecurity principles to enhance software reliability through secure coding and CI/CD integration. Seeking an internship to apply skills, gain real-world experience, and contribute to meaningful tech projects.

## EDUCATION

### Chulalongkorn University

*Bachelor of Engineering in Computer Engineering | GPA 3.36*

- Relevant Coursework: Software Engineering, Database Management, Computer Networks, Operating Systems
- Core Team of Google Developer Group on Campus: Technical Team

## WORK EXPERIENCE

### Chulalongkorn University (ISD), SGCU

July 2025 – present

*Software Developer – Information System Development*

- Designed backend systems and database schemas for scalable applications, focusing on secure system architecture.
- Implemented robust authentication and logging modules, supporting secure access and auditing for 4,000+ users.

### CU-first date, Rub Puen Kao Mai

*Backend Developer - Freshman Engagement Platforms*

- Developed secure APIs for staff registration and validation processes, ensuring data integrity and access control.
- Enhanced system reliability through optimized APIs and data structures.

## PROJECTS

### ThamRoi – Full-Stack Travel Companion Platform

2025

*Scrum Master / Backend Developer / DevSecOps*

- Designed and managed Infrastructure as Code using Terraform to provision and maintain scalable environments on Google Cloud Run and Cloud SQL.
- Developed matching functionality with Node.js and React, applying secure coding for data protection.
- Served as Team Lead & Scrum Master, coordinating development sprints and reviews, fostering a collaborative and agile environment.

### GoGotalike – Real-time WebSocket Chat

2025

*Team Lead / DevSecOps*

- Developed a WebSocket chat application in Go, implementing concurrent connections, full-duplex messaging, and secure routing for real-time communication.
- Built a comprehensive CI/CD + Security pipeline on GitHub Actions integrating SonarQube (SAST), OWASP Dependency Check (SCA), and Trivy Container Scan, blocking deployments that fail the security quality gate.
- Automated containerized build and deployment to Google Cloud Run via Artifact Registry, achieving zero critical-severity vulnerabilities.

## SKILLS & INTERESTS

- Technologies: Node.js, Go, Python, Express, React, PostgreSQL, MongoDB, Docker, Kubernetes, GitHub Actions, AWS (conceptual), Google Cloud Platform (GCP), Grafana, Prometheus, Terraform.
- Skills: Backend Development, Full-Stack Development, CI/CD Pipeline Design, Containerization, API Development, System Design, Database Management, Agile Methodologies, Scrum, Object-Oriented Programming (OOP).
- Interests: DevOps, DevSecOps, Cybersecurity, Cloud Security, Cloud Infrastructure Automation, Distributed Systems, Software Architecture, Site Reliability Engineering.